Command and Control Centers and Applications (C2CA) for Dynamic Assessment, Planning, and Execution (DAPE) Product Area Directorate (PAD)

C2CA-PAD

New Horizons Symposium

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Outline

- **◆** Organization
- **♦** Mission
- **◆** Command and Control Product Lines (CCPL)
- **◆ Industry opportunities**
- **♦** Future needs/trends

Organization

C2CA-PAD

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SEI JPO (Pitts OL) Vacant

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Mr. R. Lencewicz Chief Acquisition Manager Mr. C. Shank (Deputy) Architecture and Technology (781) 377-9369

Ms. L. Jean Program Manager Capt P. Philbrick (Deputy) IC4I (781) 271-2461

- Provide DII COE-compliant products and services
 - > Transform data and information for dynamic assessment, planning, and execution for the warfighter all over the world
 - > Apply new technology when and where appropriate
- **♦** Enhance AF information/C2CA infrastructure
 - ➤ Use system engineering, integration, rapid acquisition, new technology insertion, life cycle services, and innovative business practices
 - ➤ Technology transition to SPOs/PADs

C2CA Services, Products & Technology Transition

C2CA-PAD

C2CA PAD

Services

Products

Technology Transition

Technical Assistance

Planning

Enterprise Contracts

Deliverables

Systems

Tools

Prototypes

Components

Architecture

Relationships Agreements

Application(s)

Architecture Councils

Assessments/Evaluations

Technology Infusion

CUBE/MASC Assistance

Special Projects

Standards Awareness

Training

Acquisition Strategy

Strategic (Advance

Military Unique State-

of-the-Art) Technology

Awareness

Where Standards Are

Going

Architecture

Development

Infrastructure

Enhancement

Legacy Migration

CCPL

DESKTOP IV/V

I-CASE

IC4I

SBLC

VTC

Other

Product Lines

CCPL

- ♦ Awarded three Indefinite Delivery/Indefinite Quantity (ID/IQ) contracts in February 97
 - > Teams led by Hughes, Raytheon, and TRW
 - > \$500M program ceiling over five years
 - Multiple contract types maximum flexibility via Task Orders
- Contractor teams collaborate to
 - Develop product line designs and components that are Defense Information Infrastructure (DII) Common Operating Environment (COE) compliant
 - ➤ Ensure interoperability among C² programs
 - ➤ Continuously demonstrate evolving products/technology
 - Assist Government in defining program development approach
- ♦ One, or more, contractor teams develop and deliver DII COE compliant DoD C² programs

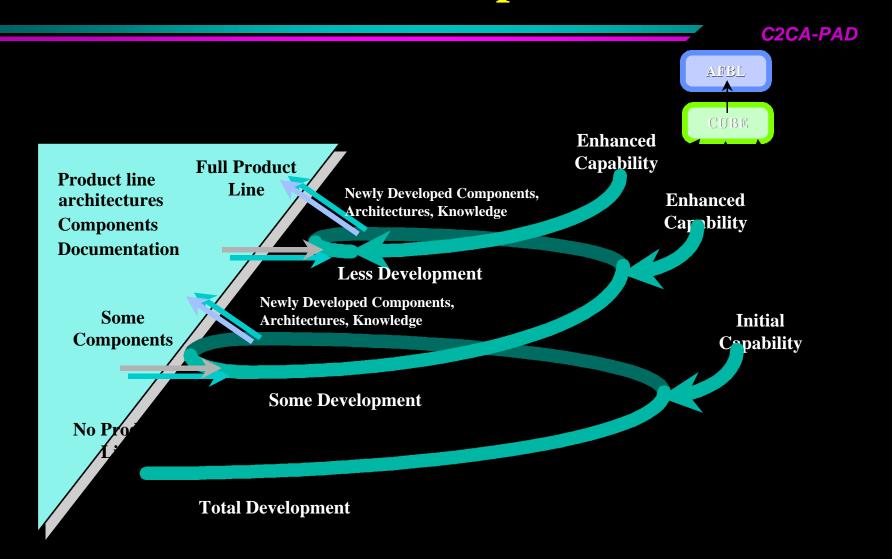
CCPL Activity

C2CA-PAD

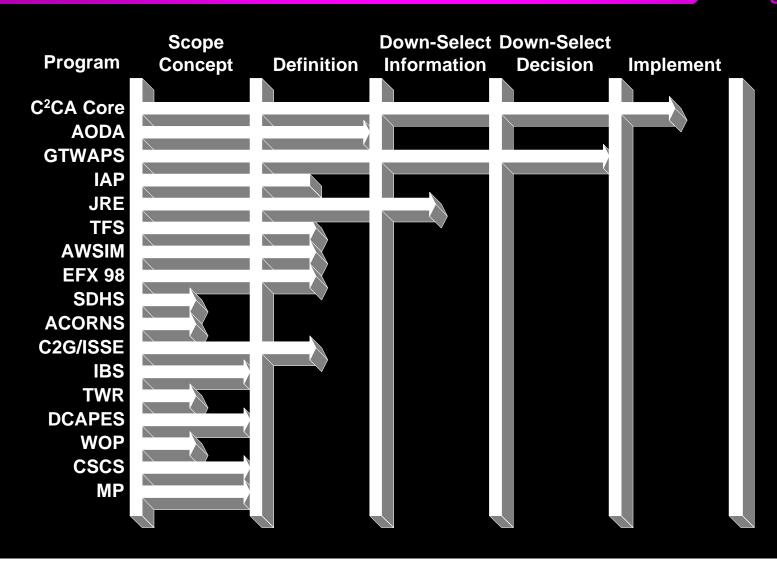
Functional Domains	Operational Domains							
	Air Base/ Wing Mgt	Air Defense	Air Surveil- lance	Air Traffic Control	Ballistic Missile Defense	Missile Warning	Space Surveil- lance	Theater Battle Mgt
Command Center								
Data Fusion and Analysis								
Mission Planning, Simulation, and Modeling								

Denotes current activity

CCPL Product Line Impact



CCPL Status - 31 Oct 1997



CCPL Contractor Teams

Hughes	Raytheon	TRW		
AGCS, Inc.	ARCA Systems	Alphatech, Inc.		
Andersen Consulting	Computer Sciences Corporation	Decision-Science Application, Inc.		
CTA, Inc.	GDE Systems, Inc.	Logicon Mosaic Data Systems Noble Software Solutions, Inc.		
DSD Laboratories, Inc.	Science Applications			
Intermetrics, Inc.	International Corp.			
Lockheed Martin Federal Systems	System Technology Associates			
Sanders		Northrop Grumman		
SRA International		Trusted Information Systems, Inc.		

Industry Opportunity

- **◆ C2CA PAD ID/IQ contracts**
 - ➤ Products & services for C2CA (for DAPE) systems
- **◆** CCPL represents leading-edge acquisition reform
 - ➤ Provides new tools to help System Program Office (SPO)
 - Qualified teams of contractors
 - DII-COE compliant product line architectures with many components ready for use
 - Rapid program start (skipping lengthy source selection)
 - Can rapidly add sub-contractors to meet new program needs

Future Needs/Trends

- **◆ C2CA (for DAPE) PAD benefits**
 - > Elimination of lengthy source selection process to meet customer needs
 - > Architecture-based system development
 - Collaborative/distributed processing
 - > Spiral acquisition/incremental development
 - > Improved risk mitigation
- Result
 - ➤ C2CA (for DAPE) PAD will provide focus and opportunity in the future

CCPL Points of Contact

- **♦** For additional information
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- **♦** Prime contractor program managers
 - ➤ Hughes Tom Twomey (703) 295-6908
 - ➤ Raytheon Marty Schecter (978) 490-1225
 - ➤ TRW Tom Bostelaar (310) 812-0815